HITACHI
Inspire the Next

LCD Color Television
User Manual

L42N03A
L32N03A

N
series

Thank you for purchasing this HITACHI product.
To obtain the best performance and safety, please read this manual carefully.
Please keep this manual for future reference.

Thank you for purchasing this HITACHI LCD Color Television.

The instructions in this manual are described mainly with the remote control.
You can also use the buttons on the TV if they have the same names as those on the remote control.
To obtain the best performance and safety, please read this manual carefully.
Please keep this manual for future reference.

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Important Safety Instructions

1. Read Instructions - All the safety and operating instructions should be read before the product is operated.
2. Retain Instructions - The safety and operating instructions should be retained for future reference.
3. Heed Warnings - All warnings on the product and in the operating instructions should be adhered to.
4. Follow Instructions - All operating and use instructions should be followed.
5. Cleaning - Unplug the product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a dry cloth for cleaning.
6. Attachments - Only use attachments/ accessories specified by the manufacturer.
7. Water and Moisture - Do not use the product near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.
8. Accessories - Do not place the product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer. The product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
9. Ventilation - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. The product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
10. Power Sources - The product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company.
11. Power Cord Protection - Power cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
12. Lightning - For added protection for the product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
13. Power Lines - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
14. Overloading - Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
15. Object and Liquid Entry - Never push objects of any kind into the product through any openings as they may touch dangerous voltage points or short-out parts that can result in a fire or electric shock. Never spill liquid of any kind on the product.
16. Servicing - Do not attempt to service the product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
17. Repairing - Unplug the product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a. When the power cord or plug is damaged.
    b. If liquid has been spilled, or objects have fallen into the product.
    c. If the product has been exposed to rain or water.
    d. If the product does not operate normally by following the operating instructions. Adjust

only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a service technician to restore the product to its normal operation.

e. If the product has been dropped or damaged in any way.

f. When the product exhibits a distinct change in performance this indicates a need for service.

18. Replacement Parts - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

19. Safety Check - Upon completion of any service or repairs to the product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

20. Heat - Do not install the product near any heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

21. Installation Location - Place the product on a firm and flat surface. Avoid placing the product in areas of direct sunlight, heating radiators, closed automobiles, high temperature, high humidity, excessive dust, strong vibration, impact or strong magnetic fields, as the internal parts may be seriously damaged.

22. Hazards of Electrical Shock and Fire - Do not touch the power cord with wet hands. Hold the plug when disconnecting the power cord. Do not pull the power cord. Unplug the power cord from the wall outlet when the product is not used for long periods of time.

23. Hearing Safety - Listen at a moderate volume. Using headphones at high volume can impair your hearing.

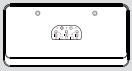
- Sometimes, the LCD screen may have some tiny red, blue, white or black spots. This is normal and does not affect the performance.

⚠ WARNING

- The main power plug is used as the disconnect device and shall remain readily operable.

Supplied Accessories

Check the supplied accessories before installation.
In case of missing or damaged, please contact the dealer immediately.

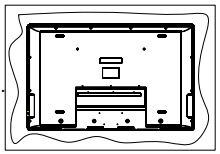
User Manual	Remote Control	AAA Batteries
TV Stand	**Screws (M4x12)**	**Screws (M6x12)**
	(For TV stand installation) 	(For wall mount bracket installation)

- Please store the screws that are not used.

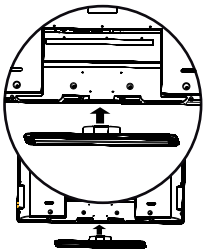
Preparation

Stand Installation

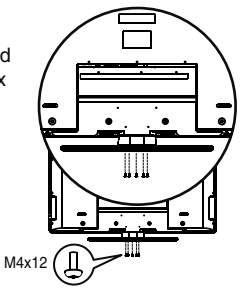
1. Carefully place the TV with its front side facing down on a cushioned flat surface.



2. Attach the TV stand to the TV as shown.



3. Tighten the supplied M4x12 screws to fix the TV stand securely in place.



- The TV stand may not be securely fixed in place after repeated tightening and loosening the screws.

⚠ WARNING

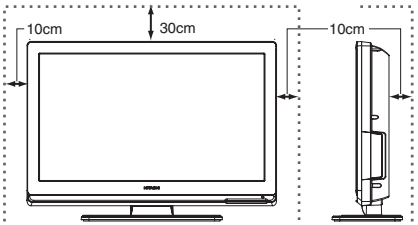
- During assembling and disassembling the TV stand, please use your hand to support it. Failing to do so may cause the TV stand to fall and result in personal injury.
- After installing the TV stand, please ensure that the screws are tightened firmly. Failure to do so may cause the TV set to tip over or become damage.

Detaching the TV Stand for Wall Mounting

Before mounting the TV on the wall, the TV stand must be removed.

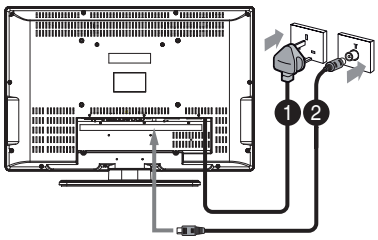
- Fasten the wall bracket to the TV using the supplied M6x12 screws.
- For wall bracket installation, refer to the wall bracket instruction guide.

Positioning the TV Set



Place the TV on a firm and flat surface, leaving a space of at least 10cm around the set and 30cm from the top of the set to the wall.

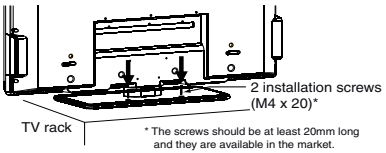
Antenna and Power Connections



1. Connect the power plug into the wall outlet.
2. Connect the antenna cable into the antenna input terminal at the rear panel and wall antenna socket.

- The type of power plug provided may be different from the above picture for some countries.

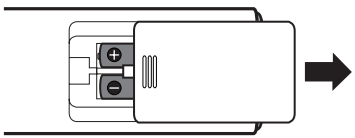
Securing the TV Set



Secure the TV set as shown above using screws that are available in the market.

- If you do not take the above safety measures, the TV set could fail and result in personal injury or physical damage.

Remote Control Batteries Installation

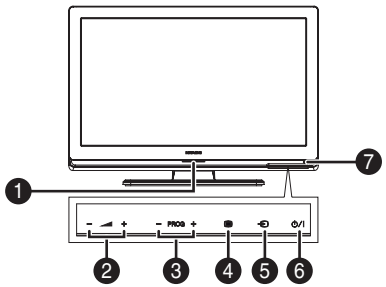


1. Slide open the battery compartment cover in the direction of the arrow.
2. Insert two AAA batteries. Make sure the polarity match the indication inside the battery compartment.
3. Slide close the battery compartment cover until it clicks.

- The remote control can be used within the range of 8 meters and about 15° in each direction from the front of the remote control sensor. Make sure there is no obstacle between them.
- If the remote control is not used for a long period of time, remove the batteries to prevent battery leakage.

Functional Overview

Front Panel



• The front panel buttons are all touch sensitive. Touch the sensor located below the marking of the buttons to operate.

1. **Power Indicator**
   Lights up in red when the TV at standby mode.
   Lights up in blue when the TV is turned on.

2. **Volume Up/Down (+ / −)**
   Press to adjust the volume.
   Volume Up/Down buttons also work as Left/ Right Cursor (◀ / ▶) on TV menu.

3. **Program Up/Down (P+ / P–)**
   Press to select previous/next channel.
   Program Up/Down buttons also work as Up/Down Cursor (▲ / ▼) on TV menu.

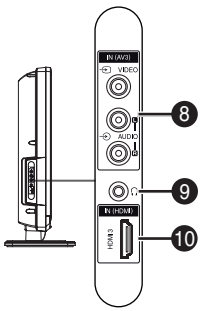
4. **Menu (▭)**
   Press to enter or exit from the TV menu.

5. **Input Select (⏎)**
   Press to select TV, AV1, AV2, AV3, AV4, RGB, HDMI1, HDMI2 or HDMI3 mode.

6. **Power On/Standby (⏻ / |)**
   Press to turn the TV on or standby.

7. **Remote Control Sensor**
   Receives signal from the remote control.

Side Panel

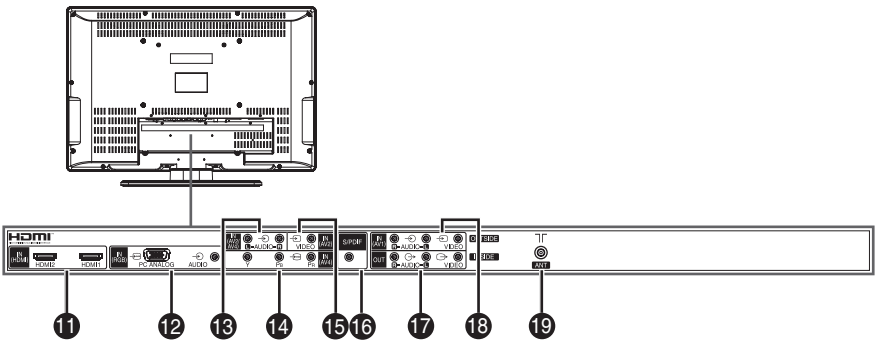


8. **AV3 Input terminals**
   Connect to equipment with audio/composite video output.

9. **Head Phone jack**
   Connect to head phones.

10. **HDMI3 Input terminal**
    Connect to equipment with HDMI output.

Rear Panel



11 HDMI1/ HDMI2 Input terminal
Connect to equipment with HDMI output.

12 RGB Input terminal
Connect to PC.

13 AV2/AV4 Audio Input terminals
Connect to equipment with audio output.

14 AV4 Input terminals
Connect to equipment with component video output.

15 AV2 Input terminal
Connect to equipment with composite video output.

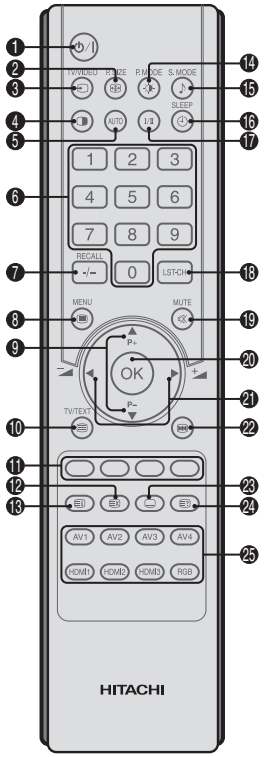
16 S/PDIF terminal
Connect to equipment with digital audio input.

17 Output terminals
Connect to equipment with audio/composite video input.

18 AV1 Input terminals
Connect to equipment with audio/composite video output.

19 Antenna Input terminal
Connect to equipment with antenna output or wall antenna socket.

Remote Control



- Some buttons are only use in Teletext mode, and other buttons have different functions in Teletext mode from that of TV mode. Those buttons are indicated by [ ]. Refer to "**Teletext Operation**" on page 13.

1 Power On/Standby (⏻/|)
Press to turn the TV on or standby.

2 Picture Size ( )
Press to select the desired picture format.
Press to select the sound output in Multi Picture mode.

3 Input Select ( )
Press to select TV, AV1, AV2, AV3, AV4, RGB, HDMI1, HDMI2 or HDMI3 mode.

4 Multi Picture ( )
Press to activate or exit Multi Picture mode.

5 Auto Adjust (AUTO)
Press to adjust the picture automatically in RGB mode.
Press to view the preset favorite channels in TV mode.

- You need to preset the favorite channels in the SETUP menu to enable this function.

6 Program Select [Page Select]
Press to select the TV channel directly.

7 Recall (RECALL)
Press to show input signal status.
Digit (-/--)
This button is not available for this model.

8 Menu ( )
Press to enter or exit from the TV menu.

9 Program Up/Down [Page Select] (P+ / P–)
Press to select previous/next channel.
Up/Down Cursor (▲ / ▼)
Press to select or adjust the desired item on the TV menu.

10 [TV/Text] ( )

11 [Color]

12 [Cancel] ( )

13 [Index] ( )

14 Picture Mode ( )
Press to select the desired picture mode.

15 Sound Mode ( )
Press to select the desired sound mode.

16 Sleep Timer ( )
Press to set the time to switch the TV to standby mode.

- To cancel "**Sleep Timer**", press repeatedly until "**- - Min.**" appears.
- To display the remaining time, press once.
- If you switch off the TV and turn it on again, "**Sleep Timer**" is reset to "**- - Min.**".
- During the last 10 seconds of the "**Sleep Timer**" setting, an on-screen countdown will be displayed. Pressing any button on the remote control or TV during the countdown will cancel the "**Sleep Timer**".

17 Ch I/II (I/II)
Press to select audio language or sound output when receiving a bilingual or stereo program respectively.

18 Last Channel (LST-CH)
Press to return to previously viewed channel.

19 Mute ( )
Press to mute or restore the volume.

20 OK [Subpage] (OK)
Press to confirm and execute the selection.

21 Volume Up/Down (+ / –)
Press to adjust the volume.
Left/Right Cursor (◀ / ▶)
Press to select or adjust the desired item on the TV menu.

22 Freeze [Hold] ( )
Press to freeze or unfreeze the picture.

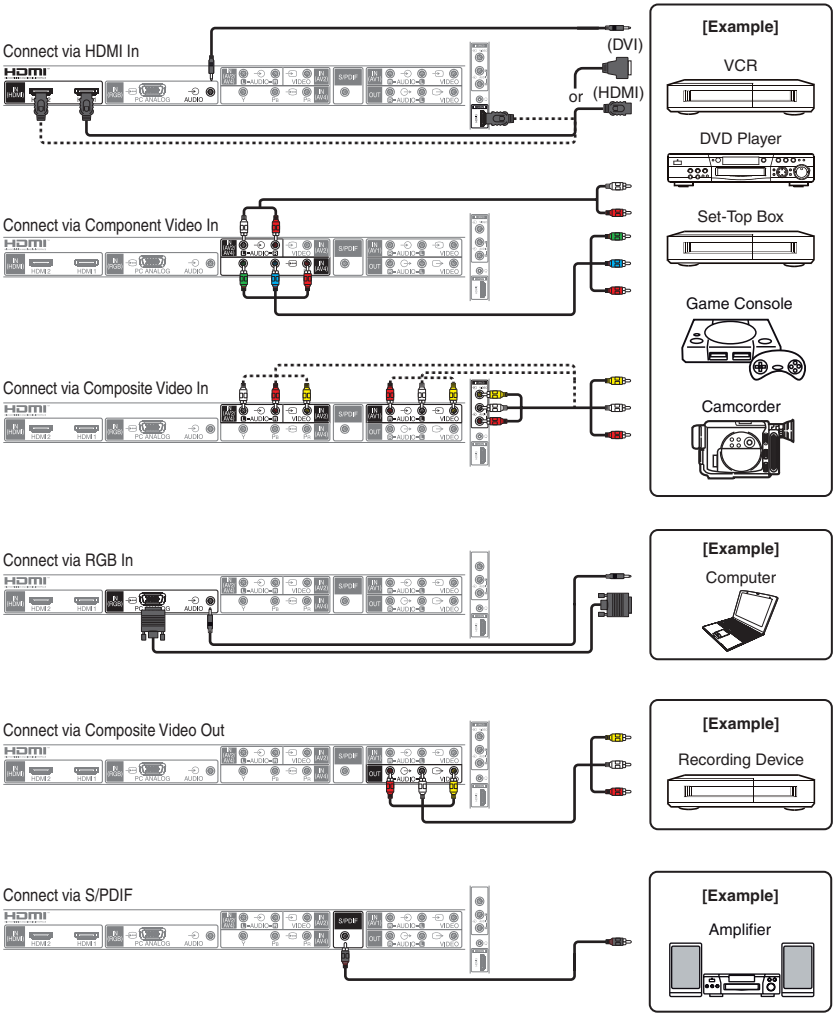
23 [Subtitle] ( )

24 [Reveal] ( )

25 Direct Input Select
Press to select the input source directly.

Connections

You can connect VCR, DVD player, set-top box, computer, game console or other video equipment to the TV. To view external source images, press ⏎ to select the input source or **Direct Input Select** buttons to select the input source directly.



- If the external equipment has DVI output, you can connect it to the HDMI terminal using a HDMI-DVI cable. In case of using the HDMI-DVI cable, connect analog audio signal to RGB Audio Input terminals.
- Please refer to the user manual of the external equipment for more information on the connection to the TV.
- Please disconnect all the power supplies to the equipment and TV before connection.

Basic Operation

Power On/Off

When you switched on power supply of the TV, the power indicator lights up in red (standby mode).

To turn on the TV

1. Press ⏻/|, **P+/P–** or any **Program Select** buttons.
   - The power indicator lights in blue and the TV turns on.

To turn off the TV

1. Press ⏻/|.
   - The power indicator lights in red and the TV turns off to standby mode.

- It takes approximately 10 seconds for the picture to appear after the TV is turned on.
- The TV will switch to standby mode automatically if there is no signal input for 10 minutes (for TV and HDMI mode only).
- If the TV will not be used for a long periods of time, unplug the TV from the wall outlet.

Channel Selection

To select a channel

1. Press **P+/P–** or **Program Select** buttons to select the channel number directly.

Input Source Selection

To select input source

1. Press ⏎.
2. Press ▲ / ▼ to select the desired input source (TV, AV1, AV2, AV3, AV4, RGB, HDMI1, HDMI2, HDMI3).
   - The selected input source image displays.

- AV1~4, HDMI1~3 and RGB can be selected directly using the **Direct Input Select** buttons.

Volume Adjustment

To change the volume

1. Press + to increase the sound volume.
2. Press – to decrease the sound volume.

To mute the sound

1. Press 🔇 to temporarily turn off the sound.
2. Press 🔇 or + to restore the sound to previous level.

- You can decrease the sound volume by pressing – while the sound is muted.

On-Screen Display (OSD) Selection and Adjustment

1. Press ▣ to display the main menu.
2. Press ◀ / ▶ to select a menu.
   - The selected menu page displays.
3. Press ▲ / ▼ to set your selection.
4. Press ▲ / ▼ to choose an item on the menu page and press ▶ to set your selection.
5. Press ◀ / ▶ to adjust an item value or choose options.
6. Press ▣ to return to the menu, press ▣ again to exit.

- The OSD menu screen will be closed automatically when no operation has been made for the set OSD menu display time.

Stereo/Bilingual Sound Selection

When receiving stereo/bilingual sound system, you can select the sound output modes by using Ⅰ/Ⅱ.

To select stereo sound program

1. When a stereo program is received, "◯◯" appears on the screen.
2. Press Ⅰ/Ⅱ to select "◯◯" or "▼".

To select bilingual sound program

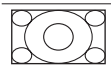
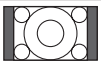
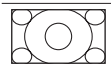
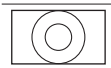
1. When a bilingual program is received, "Ⅰ" appears on the screen.
2. Press Ⅰ/Ⅱ to select the sound to be heard.

Audio Signal	Stereo	Main Language	Sub Language	Mono	Force Mono
Mode	◯◯	Ⅰ	Ⅱ	▽	▼
- Select "▼" in case of poor reception, noise or poor stereo sound due to signal condition so that you can receive a clear mono sound.

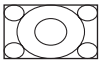
Picture Size Selection

Depending on the input signal, you can select the desired picture size by pressing ⊕ repeatedly.

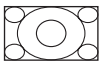
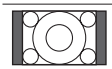
For Standard Definition (SD) Pictures (480i, 480p, 576i, 576p)

Auto	Automatically adjust the aspect ratio based on the TV program signal.
 Full	Stretch a 4:3 picture horizontally to fill the 16:9 screen.
 4:3	Display a 4:3 picture in its original size. Black bars appear on both left and right sides.
 Panoramic	Enlarge a 4:3 picture linearly from the center towards the edges of the display.
Zoom	Display a 16:9 picture in 4:3 frame (Vista size).
 Cinema	Display a 21:9 picture in 4:3 frame (Cinema size) expanding vertically.

For High Definition (HD) Pictures (720p, 1080i, 1080p)

Full1	Display a 16:9 picture in 95% of the size.
Full2	Display a 16:9 picture in its original size.
 4:3 Zoom	Stretch a 4:3 picture horizontally to fill the 16:9 screen.

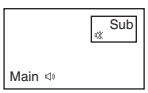
For RGB Input

 Full	Stretch a 4:3 picture horizontally to fill the 16:9 screen.
 4:3	Display a 4:3 picture in its original size. Black bars appear on both left and right sides.

- In some cases, the screen display may has slight blanking or noise at the edges.

Multi Picture Mode Selection

Multi Picture Mode allows you to view two pictures from different sources on the same screen simultaneously.

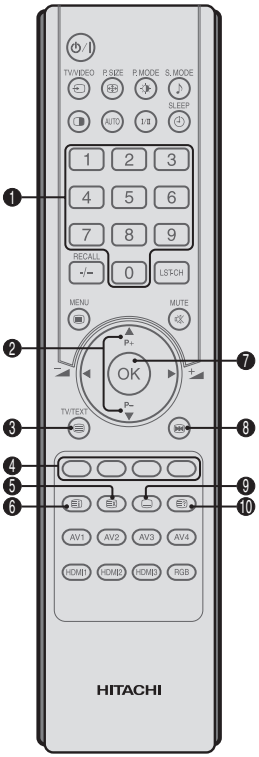


1. Press ◑ to activate Multi Picture Mode.
   ■ PIP screen displays. The speaker icon 🔊 will be displayed on the screen with sound output.
2. Press ⊕ to switch sound output between the main and sub screen.
3. Press ⏎ repeatedly to select the input source (TV, AV1, AV2 or AV3).
4. Press **P+**/**P–** or **Program Select** buttons to select the TV channel.
5. Press ◑ to exit Multi Picture Mode.

- The main screen picture is only available for AV4, RGB, HDMI1~3 and the sub screen picture is only available for TV, AV1~3.

Teletext Operation

Teletext is a free service broadcast provided by most TV stations. It provides information on the current affairs news, weather forecasts, program previews, stock market report and many other topics.



1 Page Select
Press to select a Teletext page. (Enter 3 digits)

2 Page Select (▲ / ▼)
Press to move to the next or previous Teletext page.

3 TV/Text ( )
Press to enter Teletext mode.
Press again to superimpose the teletext over the TV program.
Press again to exit Teletext mode.

4 Color buttons
Press to a link page displayed at the bottom of the Teletext page. (Select the corresponding colored page)

5 Cancel ( )
Press to return to TV program temporarily while searching for a Teletext page.
- When the search is done, the page number will be displayed on the upper left of the screen.

Press again to return to the Teletext page.

6 Index ( )
Press to display index page.

7 Subpage (OK)
Press to enter or exit subpage mode (if subpage is available).
Press **P**+/**P**– or **Page Select** buttons to select the desired subpage.

8 Hold ( )
Press to hold the current Teletext page.
Press again to cancel the hold mode.

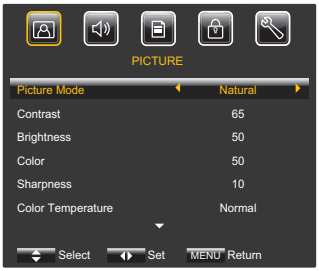
9 Subtitle ( )
Press to access subtitle service directly (if the channel has the subtitle service broadcasting).

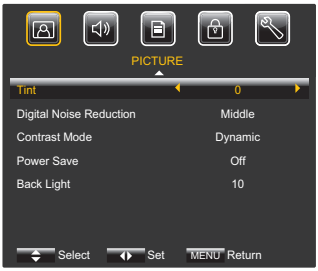
10 Reveal ( )
Press to display the hidden text (e.g. the answers of puzzles or riddles).
Press again to close the revealed answer.

- Teletext function will only operate in countries where Teletext transmission service is available.

Menu Operation

Picture Menu





Selected Items		Setup Hints
Picture Mode	Dynamic	Select the most suitable picture mode according to your lighting condition.
	Natural	
	Cinema	
	Favorite	
Contrast		Adjust to increase or decrease the picture contrast.
Brightness		Adjust to brighten or darken the picture.
Color		Adjust to increase or decrease the color intensity.
Sharpness		Adjust to sharpen or soften the picture.
Color Temperature	Cool	Select the most suitable settings depending on your preferred color tone.
	Normal	
	Warm	
Tint		Adjust to obtain natural skin color.
Digital Noise Reduction	Off	Set to reduce noise in the picture due to weak signal condition.
	Low	
	Middle	
	High	
Contrast Mode	Dynamic	Select "**Dynamic**" to sharpen the graduation to improve the contrast feeling.
	Normal	
Power Save	Off	Select the power save mode to reduce the power consumption of the TV.
	Low	
	High	
Back Light		Adjust the brightness of the back light for maximum visibility.

- "**Digital Noise Reduction**" is only available in TV mode.
- "**Tint**" can only be selected and adjusted when receiving NTSC broadcast.

Audio Menu

Selected Items		Setup Hints
Sound Mode	Movie	Select the most suitable sound mode according to your watching contents.
	Music	
	Speech	
	Favorite	
Treble		Adjust the high-pitched sound.
Bass		Adjust the low-pitched sound.
Balance		Adjust the left and right sound channel volume.
Perfect Volume	On	Select "**On**" to automatically adjust the volume to its average level each time you change the channel.
	Off	
Speakers	TV Speakers	Select "**TV Speakers**" to listen through the TV speakers. Select "**Audio System**" to listen through your external audio equipment connected to the output terminals on the rear panel.
	Audio System	

- "**Perfect Volume**" is only available in TV mode.

Function Menu

Selected Items		Setup Hints
Language	English	Select the on-screen display language.
	简体中文	
	繁体中文 *	
	Русский *	
	عربي	
Film Mode	On	Select “**On**” for movie film detection and correction. Select “**Off**” if the picture does not look natural.
	Off	
Menu Background	Opaque	Select the menu background.
	Transparent	
Teletext Language	West Europe	Select the desired Teletext language.
	East Europe	
	Russian	
	Arabic	
Decorative Light	On	Select “**On**” to turn on the decorative light on the front panel of the TV.
	Off	
Reset Favorite		Reset all Favorite to the original factory settings.

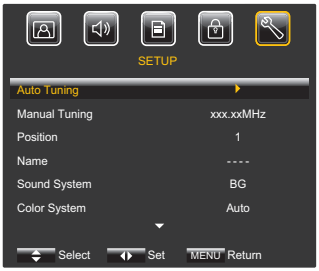
- “**Teletext Language**” is only available in TV mode.
- The items indicated by “ * ” may not be available for some countries.

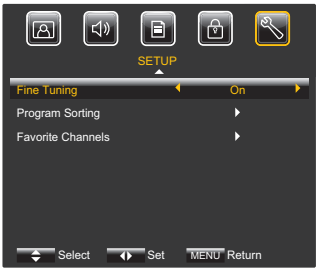
Parental Control Menu

Selected Items		Setup Hints
PIN		Enter the password for "**Parental Control**". • The factory default password is 0000. • In case you have forgotten your password, enter 9999 to access "**Parental Control**" and set a new password.
Lock TV Setup	On	Select "**On**" to lock "**Setup**" in TV mode.
	Off	
Select Channel		Select the channel for "**Lock Channel**".
Lock Channel	On	Select "**On**" to lock the "**Select Channel**".
	Off	
Lock Panel Keys	On	Select "**On**" to disable the buttons on the TV.
	Off	• If "**Lock Panel Keys**" is set to "**On**", you can access the TV by remote control unit only.
Enter New PIN		Enter and confirm the password for "**Parental Control**".
Confirm New PIN		

• "**Lock TV Setup**", "**Select Channel**" and "**Lock Channel**" are only available in TV mode.

Setup Menu (TV Mode)



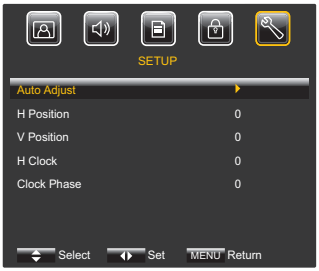


Selected Items		Setup Hints
Auto Tuning		Tune for all the available channels automatically. When auto search is completed, the TV will automatically return to Channel 1.
Manual Tuning		Set the frequency of the channel.
Position		Set the channel number.
Name		Set a name for the channel. 1 Press **OK** to enter. 2 Press ▲ / ▼ to enter the desired characters. 3 Press ▶ to move to the next character. 4 Press **OK** when the name is completed. The name will be displayed on the screen when the channel is selected.
Sound System	BG	Select the appropriate sound system.
	I	
	DK	
	M	
Color System	Auto	Select the appropriate color system.
	PAL	
	SECAM	
	NTSC3.58	
Fine Tuning		Fine tune the current channel. Press ◀ / ▶ to decrease or increase the frequency.
Program Sorting		Set the channels according to your preference. You can delete, copy, move or skip the channels you want. **To delete the channel** 1 Press ▲ / ▼ to select the channel to be deleted. 2 Press the **RED** button and press **OK**. • The selected channel is deleted, all the following channels are shifted up one position.

Setup Menu (TV Mode) (continue)

Selected Items	Setup Hints
Program Sorting	**To copy the channel** 1. Press ▲ / ▼ to select the channel to be copied. 2. Press the **GREEN** button. 3. Press ▲ / ▼ to select the new position for the channel and press **OK**. • The selected channel is copied to the new position and overwrote the existing one. **To move the channel** 1. Press ▲ / ▼ to select the channel to be moved. 2. Press the **YELLOW** button. 3. Press ▲ / ▼ to select the new position for the channel and press **OK**. • The selected channel is moved, all the following channels are shifted down one position. **To skip the channel** 1. Press ▲ / ▼ to select the channel to be skipped. 2. Press the **CYAN** button and press **OK**. • The skipped channel is indicated by cyan. • You can still select a skipped channel using the **Program Select** buttons. • To unskip the channel, select the channel and press the **CYAN** button.
Favorite Channels	Assign your most frequently view channels as your favorite channels.

Setup Menu (RGB Mode)



Selected Items	Setup Hints
Auto Adjust	Auto adjust the screen position, clock and phase.
H Position	Adjust the picture horizontal position.
V Position	Adjust the picture vertical position.
H Clock	Adjust the picture width.
Clock Phase	Adjust to remove the horizontal interference.

- "**Auto Adjust**" may not work well with certain input signals. In such cases, manually adjust "**H Position**", "**V Position**", "**H Clock**" and "**Clock Phase**".

Troubleshooting

Before calling service personnel, please check the following troubleshooting guide. If any problem still persists, unplug the TV set and call for servicing.

Symptom	Check List
No picture, no sound	• Check if the main power of the TV is turned on. • Check the connection of the power cord and/or other cables.
Normal picture, no sound	• Check the volume level. • Check if the button has been pressed or not. • Check the connection of the external equipment.
Poor color or no color, normal sound	• Check the value level of "**Brightness**" and "**Contrast**" in PICTURE menu.
Multiple images, normal sound	• Check the antenna connection and direction. • Fine tuning the TV. • Check the connection of the external equipment. • The TV station may have broadcast difficulties. Try another channel.
Snowy picture, poor sound	• Check the antenna connection and direction. • The TV station may have broadcast difficulties. Try another channel.
Intermittent interference	• Check if the source of interference is shield well. • Remove those kinds of electrical devices away from the TV.
Poor stereo sound	• The TV station may have broadcast difficulties. Try to change to mono mode.
Remote control does not work	• Check if the batteries are installed correctly. • The batteries may be exhausted. Replace them with new ones. • Remove all obstruction between the remote control and the remote control sensor. • Ensure there is no strong light shinning on the remote control sensor.
"**No Signal**" appears on the screen	• The TV cannot detect any signals from any input terminals. • Check if the cable is connected correctly and firmly. • Check if the power of any external equipment is turned on. • Check if the input source selection is correct.
"**Unsupported Signal**" appears on the screen (RGB mode only)	• Check if the display resolution and frequency from your PC is a valid mode for the TV. Refer to the recommended RGB input signal chart
Image not centered (RGB mode only)	• Adjust the "**H Position**" and "**V Position**" in the SETUP menu.

Specification

Model Name		L42N03A	L32N03A
Panel	Size	Approx. 42 inches	Approx. 32 inches
	Resolution	1920 x 1080	1366 x 768
Power Requirement		AC 110-240V, 50/60Hz	AC 110-240V, 50/60Hz
Power Consumption		230W	180W
Audio Output		10W + 10W	10W + 10W
Dimension (WxHxD)	With Stand	1004 x 684 x 270mm	778 x 560 x 220mm
	Without Stand	1004 x 637 x 103mm	778 x 512 x 103mm
Weight	With Stand	19.8kg	11.5kg
	Without Stand	17.5kg	10.8kg
Terminals	AV1	VIDEO IN, L/R AUDIO IN	
	AV2	VIDEO IN, L/R AUDIO IN*1	
	AV3	VIDEO IN, L/R AUDIO IN	
	AV4	COMPONENT IN, L/R AUDIO IN*1	
	RGB	RGB IN, AUDIO IN	
	HDMI1	HDMI IN	
	HDMI2	HDMI IN	
	HDMI3	HDMI IN	
	S/PDIF	S/PDIF OUT	
	OUT	VIDEO OUT, L/R AUDIO OUT	
Input Signals	RF	PAL B/G, D/K, I SECAM B/G, D/K NTSC M	
	Video	PAL, SECAM, NTSC	
	Component	480i/p, 576i/p, 720p(50/60), 1080i(50/60), 1080p(50/60)	
	HDMI	480i/p, 576i/p, 720p(50/60), 1080i(50/60), 1080p(24/50/60)	
	Analog RGB	VGA, SVGA, XGA, SXGA	

*1 These are common audio input terminals for AV2 and AV4.

- Design and specification are subject to change without notice.
- Weight and dimensions shown are approximate values only.

Recommended Signal List

RGB Input Signal Chart

Resolution		Vertical Frequency (Hz)	Horizontal Frequency (kHz)	Dot Clock Frequency (MHz)
VGA	640 x 480	60	31.47	25.18
SVGA	800 x 600	60	37.88	40.00
XGA	1024 x 768	60	48.36	65.00
SXGA	1280 x 1024	60	63.98	108.00

- If the message "**Unsupported Signal**" appears on the screen, adjust the PC display setting as in the above chart.
- Modes that are not listed in the above chart may not be supported. For an optimal picture, it is recommended to choose a mode listed in the chart.
- Sometimes, the image may be disrupted due to the frequency standard from the VGA card. This is not an error,. You may improve this situation by pressing the **AUTO** button or adjusting the position, clock and phase settings in the SETUP menu manually.
- If you switch off the TV, interference lines may occur on the TV screen. This is normal.

HDMI Input Signal Chart

Resolution		Vertical Frequency (Hz)	Horizontal Frequency (kHz)	Dot Clock Frequency (MHz)
VGA	640 x 480	60	31.47	25.18
SVGA	800 x 600	60	37.88	40.00
XGA	1024 x 768	60	48.36	65.00
576i	720(1440) x 576	50	15.63	27.00
480i	720(1440) x 480	60	15.73	27.00
576p	720 x 576	50	31.25	27.00
480p	720 x 480	60	31.47	27.00
1080i/50	1920 x 1080	50	28.13	74.25
1080i/60	1920 x 1080	60	33.75	74.25
720p/50	1280 x 720	50	37.50	74.25
720p/60	1280 x 720	60	45.00	74.25
1080p/50	1920 x 1080	50	56.25	148.50
1080p/60	1920 x 1080	60	67.50	148.50
1080p/24	1920 x 1080	24	27.00	74.25

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